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☐ 1. Document ID: US 20060197527 A1

L28: Entry 1 of 24

File: PGPB

Sep 7, 2006

PGPUB-DOCUMENT-NUMBER: 20060197527

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060197527 A1

TITLE: Parallel imaging based on expanded unfolding technique

PUBLICATION-DATE: September 7, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Machida; Yoshio	Nasu-Gun		JP
Ichinose; Nobuyasu	Otawara-Shi		JP
Uchizono; Shinichi	Nasu-Gun		JP

US-CL-CURRENT: 324/309; 324/318

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	RMC	Draw Desc	Image				

☐ 2. Document ID: US 20060058630 A1

L28: Entry 2 of 24

File: PGPB

Mar 16, 2006

PGPUB-DOCUMENT-NUMBER: 20060058630

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060058630 A1

TITLE: Sub-sampled moving table mri

PUBLICATION-DATE: March 16, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Harvey; Paul Royston	Eindhoven		NL

US-CL-CURRENT: 600/410

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KMC	Draw Desc	Image				

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☐ 3. Document ID: US 20050270024 A1

L28: Entry 3 of 24

File: PGPB

Dec 8, 2005

PGPUB-DOCUMENT-NUMBER: 20050270024

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050270024 A1

TITLE: Method for parallel image reconstruction using automatic regularization

PUBLICATION-DATE: December 8, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Lin, Fa-Hsuan	Taipei City		TW

US-CL-CURRENT: 324/307

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KMC	Draw Desc	Image				

☐ 4. Document ID: US 20040263167 A1

L28: Entry 4 of 24

File: PGPB

Dec 30, 2004

PGPUB-DOCUMENT-NUMBER: 20040263167

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040263167 A1

TITLE: Parallel imaging based on expanded unfolding technique

PUBLICATION-DATE: December 30, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Machida, Yoshio	Nasu-Gun		JP
Ichinose, Nobuyasu	Otawara-Shi		JP
Uchizono, Shinichi	Nasu-Gun		JP

US-CL-CURRENT: 324/309; 324/307, 600/410

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KWIC	Draw Desc	Image				

☐ 5. Document ID: US 20040189299 A1

L28: Entry 5 of 24

File: PGPB

Sep 30, 2004

PGPUB-DOCUMENT-NUMBER: 20040189299

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040189299 A1

TITLE: Nuclear magnetic resonance imaging apparatus and nuclear magnetic resonance imaging method

PUBLICATION-DATE: September 30, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Ikezaki, Yoshikazu	Tokyo		JP

US-CL-CURRENT: 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KMC	Draw Desc	Image				

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☐ 6. Document ID: US 20040165757 A1

L28: Entry 6 of 24

File: PGPB

Aug 26, 2004

PGPUB-DOCUMENT-NUMBER: 20040165757

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040165757 A1

TITLE: Adaptive data differentiation and selection from multi-coil receiver to reduce artifacts in reconstruction

PUBLICATION-DATE: August 26, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Ma, Jingfei	Waukesha	WI	US
Tan, Guosheng	Waukesha	WI	US

US-CL-CURRENT: 382/131

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KMC	Draw Desc	Image				

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☐ 7. Document ID: US 20040070394 A1

L28: Entry 7 of 24

File: PGPB

Apr 15, 2004

PGPUB-DOCUMENT-NUMBER: 20040070394

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040070394 A1

TITLE: Parallel mr imaging using high-precision coil sensitivity map

PUBLICATION-DATE: April 15, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Gonzalez Ballester, Miguel Angel	Nice		FR
Machida, Yoshio	Nasu-Gun		JP

US-CL-CURRENT: 324/307; 324/309

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KMC	Draw Desc	Image				

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☐ 8. Document ID: US 20040039276 A1

L28: Entry 8 of 24

File: PGPB

Feb 26, 2004

PGPUB-DOCUMENT-NUMBER: 20040039276

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040039276 A1

TITLE: Magnetic resonance imaging apparatus

PUBLICATION-DATE: February 26, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Ikezaki, Yoshikazu	Tokyo		JP

US-CL-CURRENT: 600/407

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KMC	Draw Desc	Image				

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☐ 9. Document ID: US 20030228043 A1

L28: Entry 9 of 24

File: PGPB

Dec 11, 2003

PGPUB-DOCUMENT-NUMBER: 20030228043

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030228043 A1

TITLE: Coil sensitivity map generating method, parallel imaging method,  
and MRI apparatus

PUBLICATION-DATE: December 11, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Ikezaki, Yoshikazu	Tokyo		JP

US-CL-CURRENT: 382/131

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KWC	Draw Desc	Image				

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☐ 10. Document ID: US 20030004410 A1

L28: Entry 10 of 24

File: PGPB

Jan 2, 2003

PGPUB-DOCUMENT-NUMBER: 20030004410

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030004410 A1

TITLE: Method for MR imaging with an array of RF coils

PUBLICATION-DATE: January 2, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
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Zhu, Yudong

Clifton Park

NY

US

US-CL-CURRENT: 600/422

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KMC	Draw Desc	Image				

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☐ 11. Document ID: US 20020186870 A1

L28: Entry 11 of 24

File: PGPB

Dec 12, 2002

PGPUB-DOCUMENT-NUMBER: 20020186870

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020186870 A1

TITLE: Automatic coil selection of multi-receiver MR data using fast  
prescan data analysis

PUBLICATION-DATE: December 12, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Ma, Jingfei	Waukesha	WI	US
Tan, Guosheng	Waukesha	WI	US

US-CL-CURRENT: 382/131; 382/282

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	KMC	Draw Desc	Image				

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☐ 12. Document ID: US 20020181753 A1

L28: Entry 12 of 24

File: PGPB

Dec 5, 2002

PGPUB-DOCUMENT-NUMBER: 20020181753

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020181753 A1

TITLE: Adaptive data differentiation and selection from multi-coil receiver to reduce artifacts in reconstruction

PUBLICATION-DATE: December 5, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Ma, Jingfei	Waukesha	WI	US
Tan, Guosheng	Waukesha	WI	US

US-CL-CURRENT: 382/131

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences
Attachments	Claims	RMC	Draw Desc	Image				

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☐ 13. Document ID: US 7205765 B2

L28: Entry 13 of 24

File: USPT

Apr 17, 2007

US-PAT-NO: 7205765

DOCUMENT-IDENTIFIER: US 7205765 B2

TITLE: Parallel imaging based on expanded unfolding technique

DATE-ISSUED: April 17, 2007

PRIOR-PUBLICATION:

DOC-ID	DATE
US 20060197527 A1	September 7, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Machida; Yoshio	Nasu-Gun			JP
Ichinose; Nobuyasu	Otawara			JP



Uchizono; Shinichi

Nasu-Gun

JP

US-CL-CURRENT: 324/318; 324/309

Full	Title	Citation	Front	Review	Classification	Date
Reference			Claims	KMC	Draw Desc	Image

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☐ 14. Document ID: US 7187791 B2

L28: Entry 14 of 24

File: USPT

Mar 6, 2007

US-PAT-NO: 7187791

DOCUMENT-IDENTIFIER: US 7187791 B2

TITLE: Coil sensitivity map generating method, parallel imaging method,  
and MRI apparatus

DATE-ISSUED: March 6, 2007

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20030228043 A1

December 11, 2003

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Ikezaki; Yoshikazu

Tokyo

JP

US-CL-CURRENT: 382/128; 324/306, 324/307, 324/309, 382/131

Full	Title	Citation	Front	Review	Classification	Date
Reference			Claims	KMC	Draw Desc	Image

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☐ 15. Document ID: US 7102351 B2

L28: Entry 15 of 24

File: USPT

Sep 5, 2006

US-PAT-NO: 7102351

DOCUMENT-IDENTIFIER: US 7102351 B2

TITLE: Parallel imaging based on expanded unfolding technique

DATE-ISSUED: September 5, 2006

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20040263167 A1

December 30, 2004

INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Machida; Yoshio

Nasu-Gun

JP

Ichinose; Nobuyasu

Otawara

JP

Uchizono; Shinichi

Nasu-Gun

JP

US-CL-CURRENT: 324/318; 324/309

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

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☐ 16. Document ID: US 7053613 B2

L28: Entry 16 of 24

File: USPT

May 30, 2006

US-PAT-NO: 7053613

DOCUMENT-IDENTIFIER: US 7053613 B2

TITLE: Method for parallel image reconstruction using automatic regularization

DATE-ISSUED: May 30, 2006

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20050270024 A1

December 8, 2005

## INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Lin; Fa-Hsuan

Taipei City

TW

US-CL-CURRENT: 324/307; 324/309

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KMC	Draw Desc Image

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☐ 17. Document ID: US 7019523 B2

L28: Entry 17 of 24

File: USPT

Mar 28, 2006

US-PAT-NO: 7019523

DOCUMENT-IDENTIFIER: US 7019523 B2

TITLE: Nuclear magnetic resonance imaging apparatus and nuclear magnetic resonance imaging method

DATE-ISSUED: March 28, 2006

## PRIOR-PUBLICATION:

DOC-ID

DATE

US 20040189299 A1

September 30, 2004

## INVENTOR-INFORMATION:

NAME

CITY

STATE

ZIP CODE

COUNTRY

Ikezaki; Yoshikazu

Tokyo

JP

US-CL-CURRENT: 324/309; 324/307

Full	Title	Citation	Front	Review	Classification	Date
Reference			Claims	KMC	Draw Desc	Image

☐ 18. Document ID: US 6990223 B2

L28: Entry 18 of 24

File: USPT

Jan 24, 2006

US-PAT-NO: 6990223

DOCUMENT-IDENTIFIER: US 6990223 B2

**\*\* See image for Certificate of Correction \*\***

TITLE: Adaptive data differentiation and selection from multi-coil receiver to reduce artifacts in reconstruction

DATE-ISSUED: January 24, 2006

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20040165757 A1

August 26, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ma; Jingfei	Waukesha	WI		US
Tan; Guosheng	Waukesha	WI		US

US-CL-CURRENT: 382/131; 324/309, 382/274, 382/284, 600/13, 600/422

Full	Title	Citation	Front	Review	Classification	Date
Reference			Claims	KMC	Draw Desc	Image

☐ 19. Document ID: US 6961455 B2

L28: Entry 19 of 24

File: USPT

Nov 1, 2005

US-PAT-NO: 6961455

DOCUMENT-IDENTIFIER: US 6961455 B2

**\*\* See image for Certificate of Correction \*\***

TITLE: Automatic coil selection of multi-receiver MR data using fast prescan data analysis

DATE-ISSUED: November 1, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ma; Jingfei	Waukesha	WI		
Tan; Guosheng	Waukesha	WI		

US-CL-CURRENT: 382/131; 324/309, 382/274

Full	Title	Citation	Front	Review	Classification	Date
Reference				Claims	KMC	Draw Desc Image

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☐ 20. Document ID: US 6949928 B2

L28: Entry 20 of 24

File: USPT

Sep 27, 2005

US-PAT-NO: 6949928

DOCUMENT-IDENTIFIER: US 6949928 B2

TITLE: Parallel MR imaging using high-precision coil sensitivity map

DATE-ISSUED: September 27, 2005

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gonzalez Ballester; Miguel Angel	Nice			FR
Machida; Yoshio	Tochigi			JP

US-CL-CURRENT: 324/307; 324/309, 324/318

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 21. Document ID: US 6915152 B2

L28: Entry 21 of 24

File: USPT

Jul 5, 2005

US-PAT-NO: 6915152

DOCUMENT-IDENTIFIER: US 6915152 B2

TITLE: Method for MR imaging with an array of RF coils

DATE-ISSUED: July 5, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Zhu; Yudong	Clifton Park	NY		

US-CL-CURRENT: 600/422; 324/307, 600/410

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

☐ 22. Document ID: US 6842001 B2

L28: Entry 22 of 24

File: USPT

Jan 11, 2005

US-PAT-NO: 6842001

DOCUMENT-IDENTIFIER: US 6842001 B2

**\*\* See image for Certificate of Correction \*\***

TITLE: MRI systems with parallel receivers for phase correction

DATE-ISSUED: January 11, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ikezaki; Yoshikazu	Tokyo			JP

US-CL-CURRENT: 324/309; 324/306, 324/307

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

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☐ 23. Document ID: US 6738501 B2

L28: Entry 23 of 24

File: USPT

May 18, 2004

US-PAT-NO: 6738501

DOCUMENT-IDENTIFIER: US 6738501 B2

**\*\* See image for Certificate of Correction \*\***

TITLE: Adaptive data differentiation and selection from multi-coil receiver to reduce artifacts in reconstruction

DATE-ISSUED: May 18, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ma; Jingfei	Waukesha	WI		
Tan; Guosheng	Waukesha	WI		

US-CL-CURRENT: 382/131; 324/309, 382/172, 382/270, 382/274, 600/410

Full	Title	Citation	Front	Review	Classification	Date	
Reference				Claims	KMC	Draw Desc	Image

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☐ 24. Document ID: US 6724923 B2

L28: Entry 24 of 24

File: USPT

Apr 20, 2004

US-PAT-NO: 6724923

DOCUMENT-IDENTIFIER: US 6724923 B2

TITLE: Automatic coil selection of multi-receiver MR data using fast  
prescan data analysis

DATE-ISSUED: April 20, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ma; Jingfei	Waukesha	WI		
Tan; Guosheng	Waukesha	WI		

US-CL-CURRENT: 382/131; 382/132, 382/218, 382/264, 382/274, 600/410

Full	Title	Citation	Front	Review	Classification	Date
Reference			Claims	KMC	Draw Desc	Image

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Term	Documents
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SENSITIVITY	695821
SENSITIVITYS	4
SENSE	1407398
SENSES	233837
ANTENNA	453583
ANTENNAS	111661
PROBE	446214
PROBES	211918
COIL	1387921
COILS	459859



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(FIELD-OF-VIEW OR "FIELD OF VIEW" OR FOV))).  
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